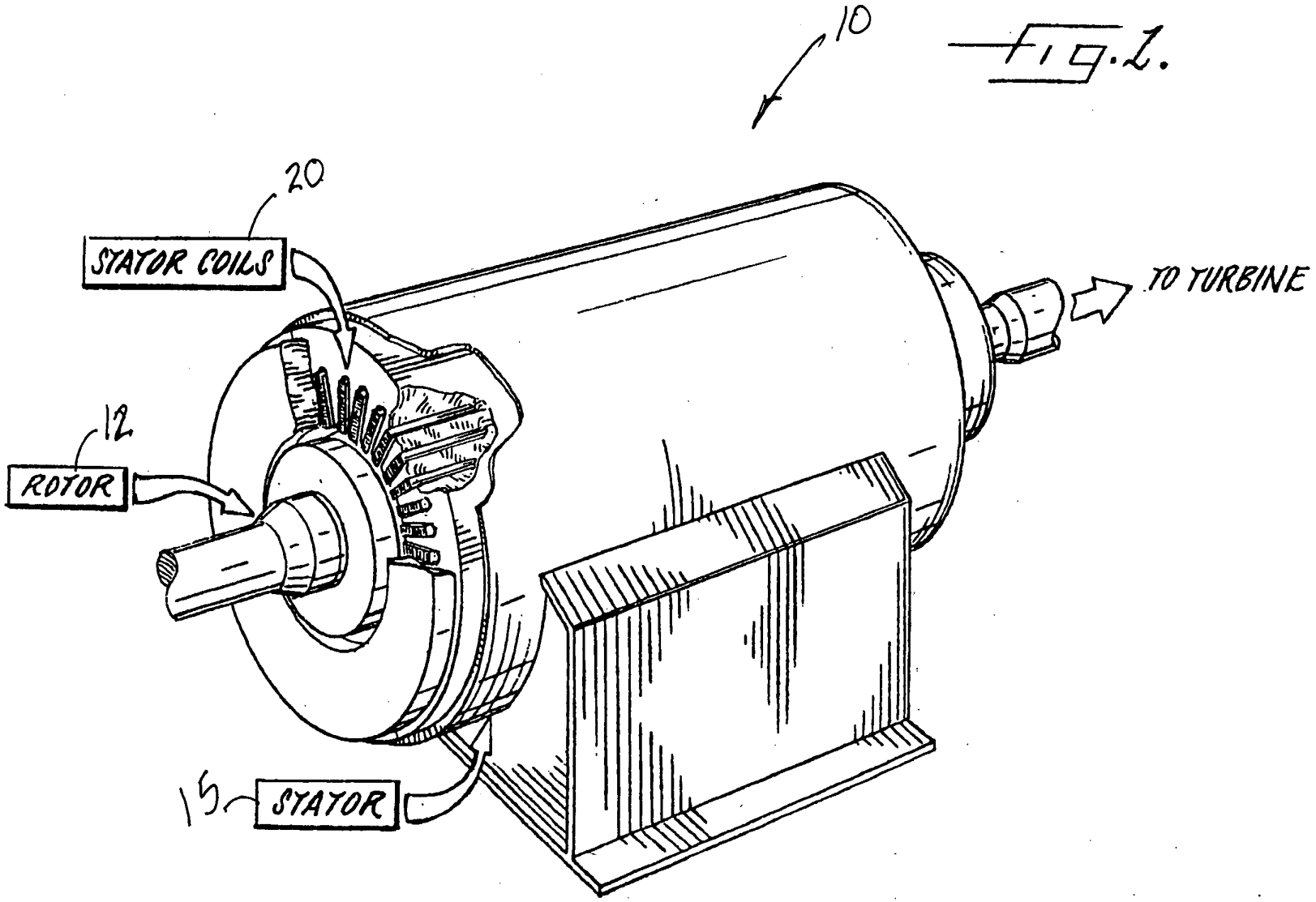
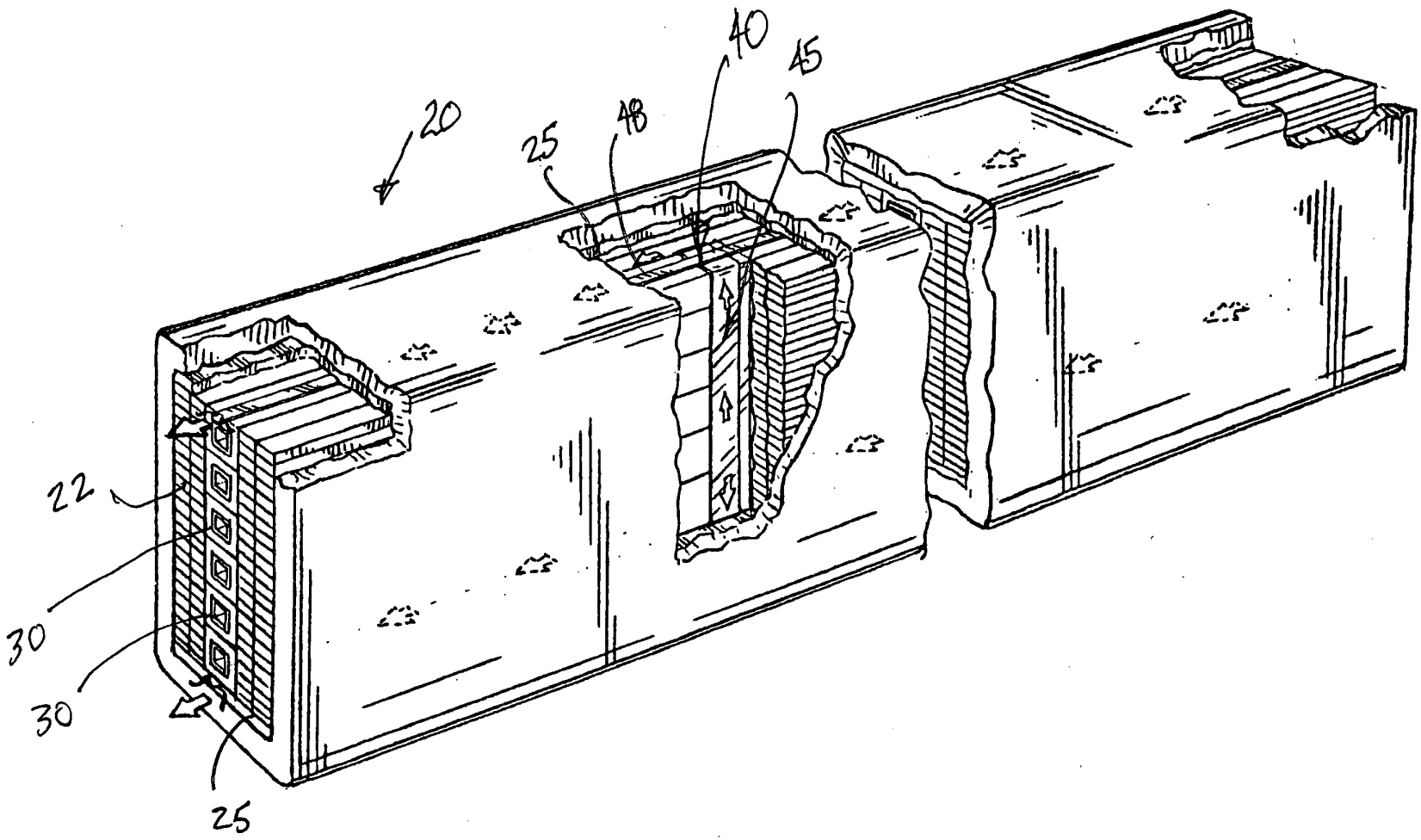
Fig. 1.



POWER GENERATOR

Fig. 2.



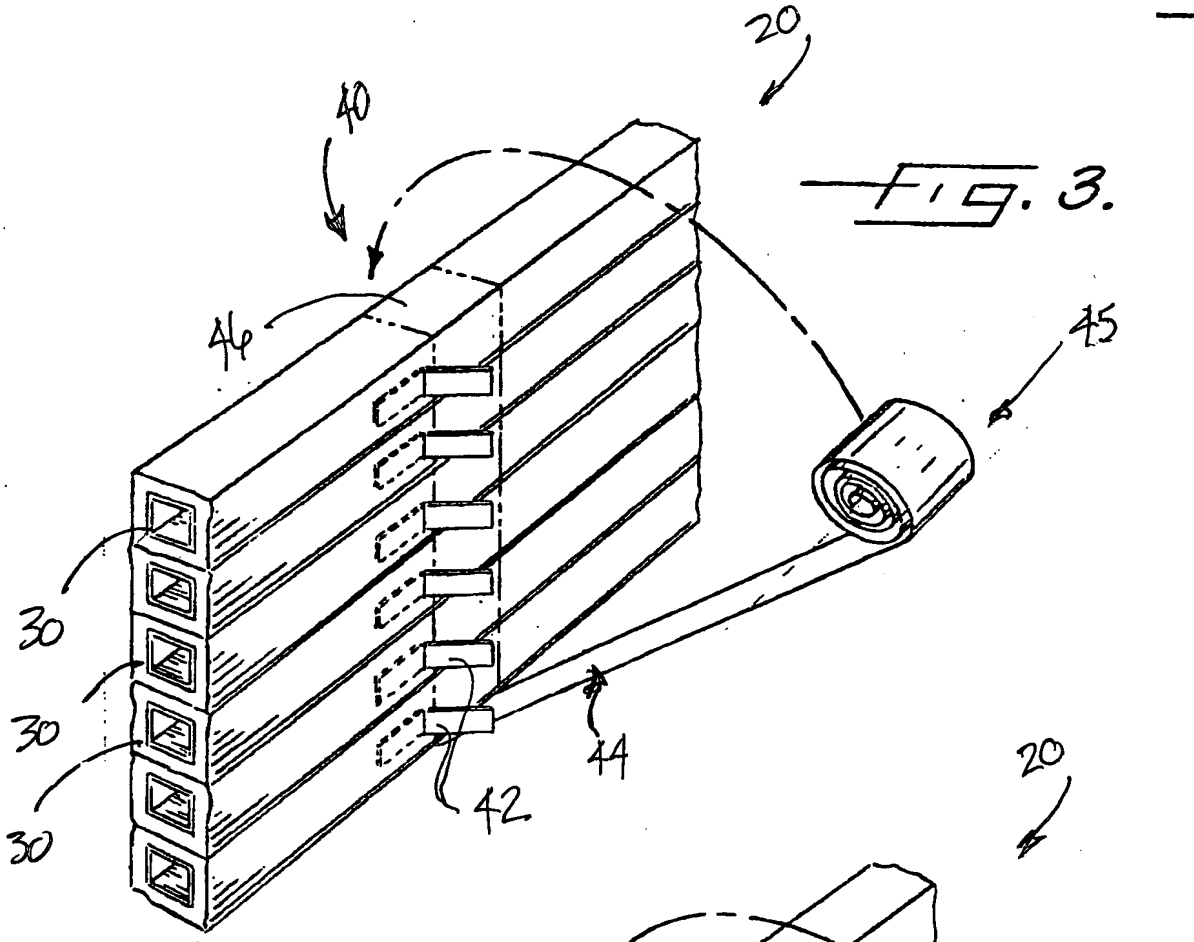


Fig. 3.

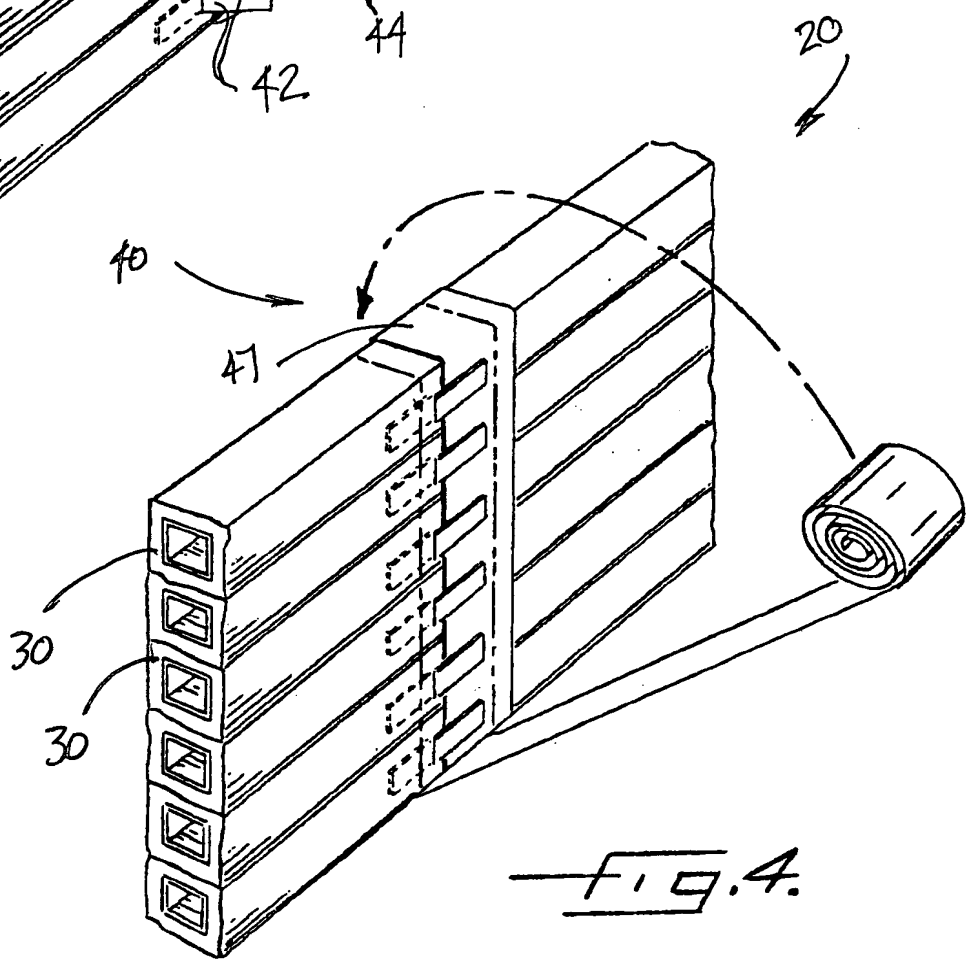


Fig. 4.

FIG. 5.

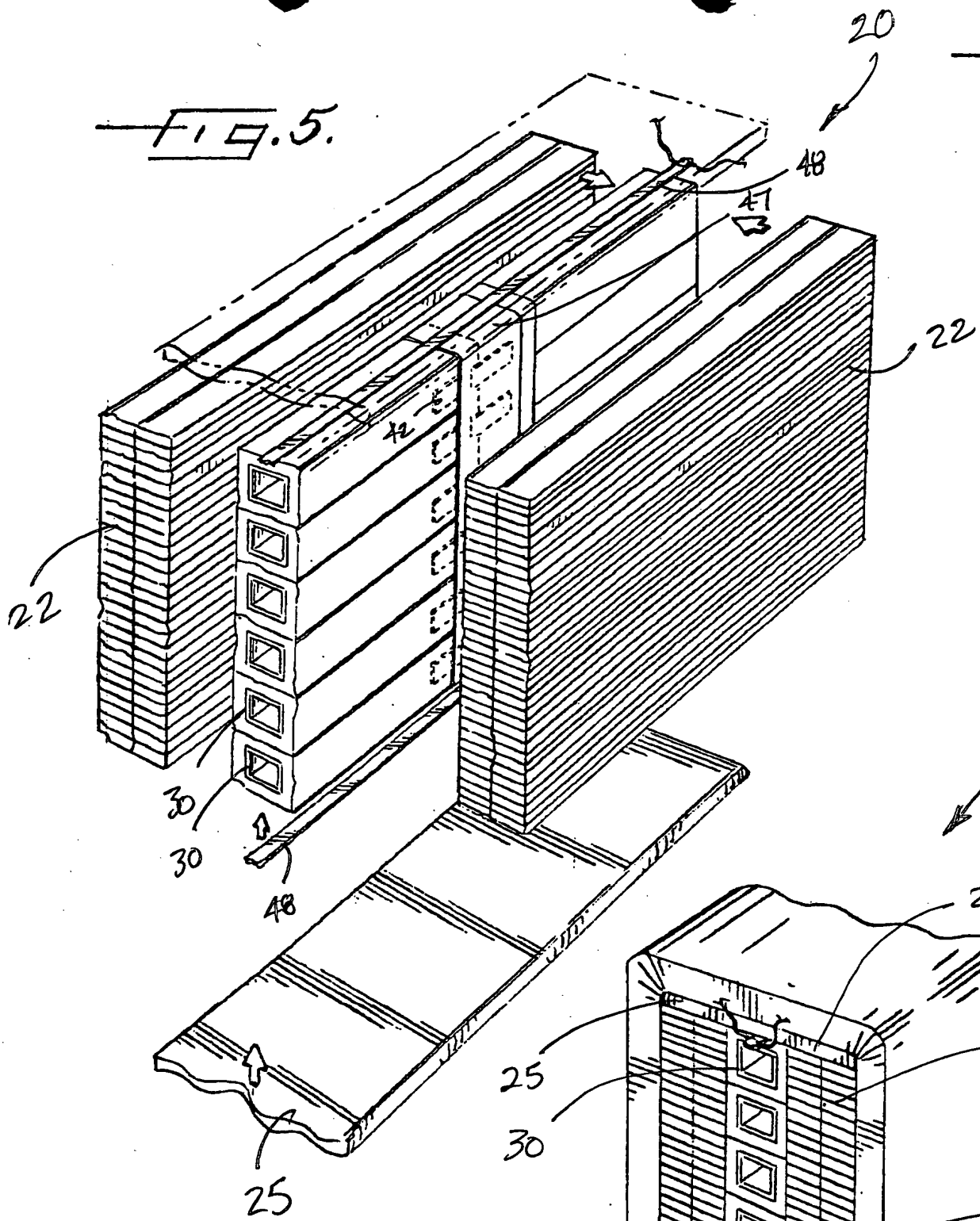
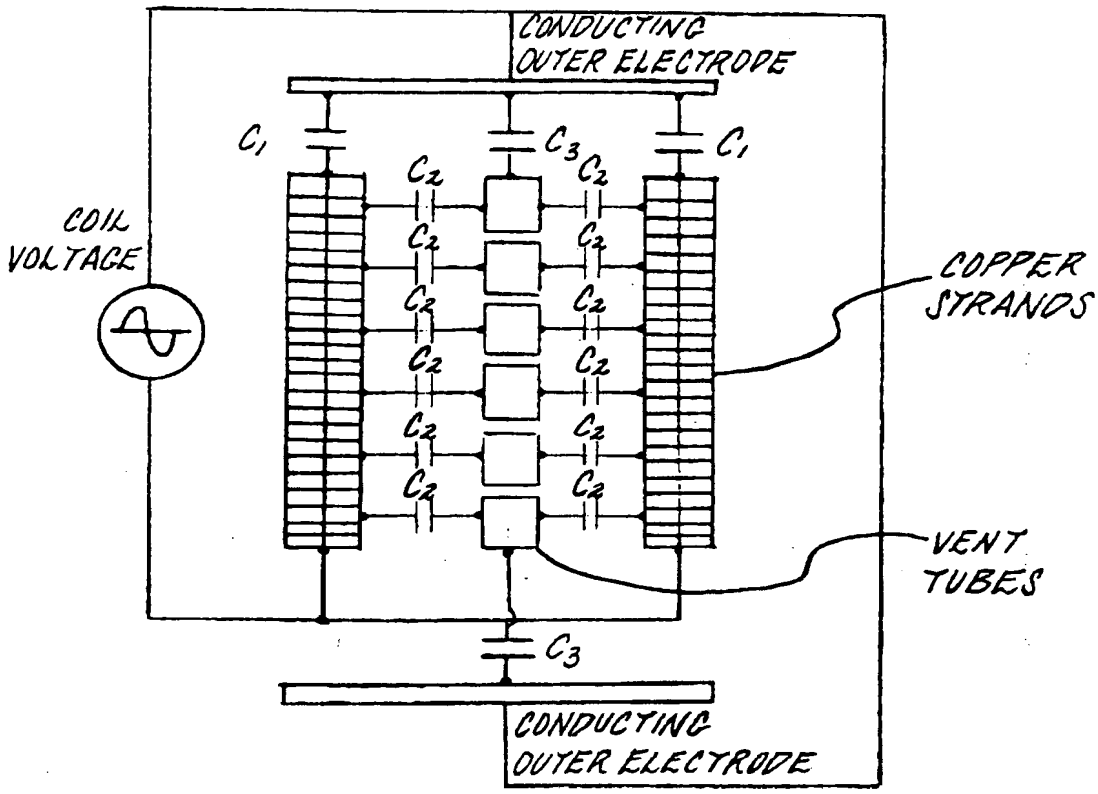


FIG. 6.

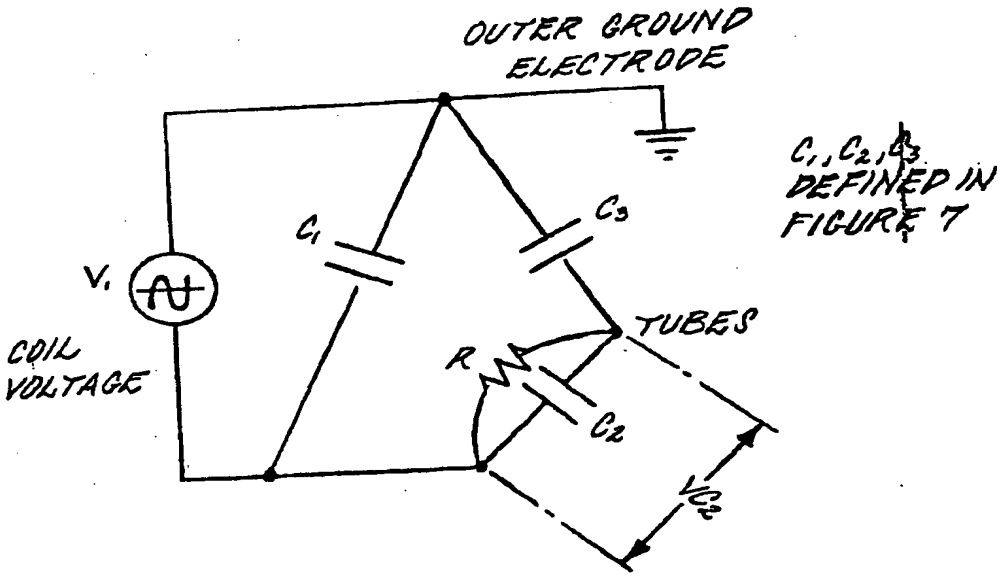


C_1 - CAPACITVE COUPLING BETWEEN OUTER ELECTRODE TO COPPER STRANDS

C_2 - CAPACITIVE COUPLING BETWEEN COPPER STRANDS AND ALL COOLING TUBES

C_3 - CAPACITIVE COUPLING BETWEEN OUTER ELECTRODE AND TOP AND BOTTOM TUBES (TOP SURFACE OF TUBES ONLY)

Fig. 7.



VOLTAGE BETWEEN TUBES AND COPPER = VC_2

$$VC_2 = \frac{XC_2}{XC_3 + XC_2} \cdot V_1$$

X = CAPACITOR REACTANCE

R ≡ VOLTAGE GRADING RESISTOR

FIG. 8.

Fig. 9.